

Don R. Hush

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Education

PhD Elec Eng 1986 University of New Mexico
MS Elec Eng 1982 Kansas State University
BS Elec Eng 1980 Kansas State University (Summa Cum Laude)

Professional Experience

1998–present Technical Staff Member, Los Alamos National Laboratory
1993–1998 Associate Professor, Computer Engineering, University of New Mexico
1987–1993 Assistant Professor, Computer Engineering, University of New Mexico
Summer 1991,1994,1996 Visiting Professor, Universidad de Vigo, Vigo, Spain
1986–1987 Technical Staff Member, Sandia National Laboratories
1994–1997 Associate Editor, IEEE Transactions on Neural Networks
1994–1998 Associate Editor, Signal Processing Magazine

Research Areas

Computational Learning Theory/Machine Learning/Pattern Recognition/Neural Networks
Numerical Optimization

Publications

Text Book: 1
Conference Papers: 60
Journal Papers: 20
Technical Reports: 20+
Science Citations (1985-1997): 220+

Selected Recent Publications

A. Cannon, M. Ettinger, D. Hush, and C. Scovel, “Machine learning with data dependent hypothesis classes,” *Journal of Machine Learning Research*, Vol. 2, pp. 335-358, 2002.
D. Hush and C. Scovel, “Polynomial-time decomposition algorithms for support vector machines,” to appear in *Machine Learning*, 2002.
D. Hush and C. Scovel, “On the VC dimension of bounded margin classifiers,” *Machine Learning*, v. 45, pp. 33-44, 2001.
D. Hush, “Training a sigmoid node is hard,” *Neural Computation*, Vol. 11, pp. 1249–1260, 1999.